



# **BioLiNE®** Emerald

BioLiNE® Emerald is a certified organic, highly active biostimulant that enhances crop health and vigour resulting in higher yield. Our premium quality concentrated liquid fulvic acid is compatible with all agricultural inputs. The versatility of BioLiNE® products keeps things simple for farmers, formulators, and custom applicators.



Supplementing crop production with BioLiNE® Emerald fulvic acid helps organic growers improve yields, get the most out of their organic nutrients and feed soil biology.

### Benefits of BioLiNE® Emerald

### **Preserve Yield Potential**

BioLiNE® products armor the plant to adapt better to environmental changes, and preserve their genetic yield potential under less-than-ideal growing conditions. The application of fulvic acid improves the overall health of crops, ultimately leading to higher yields.

#### Increased Root Growth

Roots nourish the plant with the water and nutrients it needs to grow and flourish. BioLiNE® Emerald supports the root growth in early stages of development ensuring your crops maximize their access to water and nutrients throughout the season.

### **Improved Stress Resistance**

BioLiNE® products boost the plant's natural defenses giving crops the ability to withstand abiotic stress. Our products have a proven track record of ameliorating the impacts of adverse abiotic stress.

### **Invigorating Soil Biology**

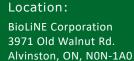
BioLiNE® products are highly efficient at exchanging nutrients and organic carbon in the Rhizosphere. Our products invigorate microbial activity helping to increase the population and diversity of plant-beneficial microbes in the soil.

### **Increased Nutrient Efficiency**

Empowered by Dynamic Nutrient Exchange™ (DNE) and superior cell permeability, BioLiNE® Emerald intensifies the utilization of applied nutrients. Our products retain and exchange essential nutrients with the roots, improving plant health, vigour, and crop yield.

### **Improved Seed Germination**

BioLiNE® products promote rapid and even emergence by nourishing crops and soil microbes while also protecting against abiotic stress in the earliest stages of growth.









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### **Application of BioLiNE® Emerald**

Soil Application: 300 - 530 mL/acre or 10 - 18 oz/acre

Foliar Application: 470 - 750 mL/acre or 16 - 25 oz/acre

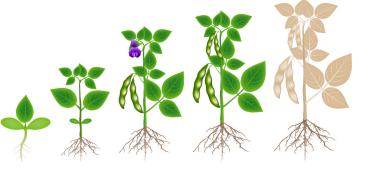
• Incorporate into any fertilizer product or program

• Mixed into liquid seed treatment blends

Use on any field crop, pasture, or turf



Allowed and inspected under Canadian regulation COR (Canadian Organic Regulation)



BioLiNE® Fulvic Acid technology was developed through years of research to improve the transport and assimilation of nutrients, increase soil microbial population, and create healthier soils. Our technology is a simple, effective, and affordable tool for helping growers manage their crops. The products we have developed improve the sustainability of farm operations, support microbes, and help unlock nutrients in the soil. Our products were designed and formulated for scale-up, with compatibility, and ease-of-use in mind. With low usage rate requirements and a track record of consistent positive impact, our technologies are a very attractive option for farmers.

### Features of BioLiNE® Emerald

### **High Potency**

Our products are powered by its extremely small size and high oxygen content. Our fulvic acid complexes are protected from degradation through a gentle extraction process. As little as 10 oz/acre usage rates elicit crop response.

### **Highly Compatible**

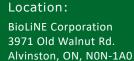
BioLiNE® Emerald can be easily blended with all agricultural inputs regardless of pH, nutrient loading, salt index, and active ingredients. BioLiNE® formulations are highly stable and compatible.

### **Maximum Purity**

BioLiNE® Emerald is extracted through our proprietary Fulv-IQ® multi-staged process which removes all other substances and organic matter, resulting in a highly purified fulvic acid product. BioLiNE® products are pure, clean, and easy-to-use.

### **Eco-Friendly Process**

The production process of BioLiNE® products creates value out of waste using a sustainable process that offsets 2,500 lbs of GHG emissions for every ton we process.



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